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RAW SEQUENCE LISTING

DATE: 12/04/2001

PATENT APPLICATION: US/09/852,000

TIME: 11:26:10

Input Set : A:\So50052u.txt

Output Set: N:\CRF3\11212001\1852000.raw

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6 8	∠120> T	TTT.E (OF THI	VENTION	 1: GF	REEN	FLUO	RESC	ENT	PROT	EINS	AND	BLU	E FLUORES	SCENT
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C> 13	<140> C	JRREN'	T APPI	LICATIO	DN NO	MBER	t: US	/09/	852,	000					
C> 14	<141> CI	JRREN'	r FIL:	ING DAS	CE: 2	2001-	05-1	.0							
16	<150> PI	RIOR A	APPLI	CATION	NUME	BER:	JP 0	2641	.8/19	98					
17	<151> Pi	RIOR	FILING	G DATE	: 199	8-01	-23								
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22	<150> PI	RIOR	APPLI	CATION	NUME	BER:	บริเ	19/61	.5,63))					
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38	Met Ser	Lys	Gly G	lu Glu	Leu	Phe	Thr		Val	Val	Pro	Ile	Leu	Val	
39	1			5			•	_10	51	~	17-1	C	15	C1.1	
	Glu Leu	Asp		sp Val	Asn	GIY	HIS	Lys	Pne	ser	Val	30	GIY	GIU	
42	Gly Glu	0 1	20	la mbw		C144	25	Τ.Διι	Thr	T.e.II	T.VS		Tle	Cvs	
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. 45	Thr Thr	35	Lug I.	AN Pro	Val	Pro	rrp	Pro	Thr	Leu		Thr	Thr	Phe	
48			цуз ц	eu iio	55	110	F			60					
50	Ser Tyr	Glv	Val G	ln Cvs		Ser	Arg	Tyr	Pro	Asp	His	Met	Lys	Gln	
51	65			70					75					80	
53	His Asp	Phe	Phe L	ys Ser	Ala	Met	Pro	Glu	Gly	Tyr	Val	Gln	Glu	Arg	
54				85				90					95		
56	Thr Ile			ys Asp	Asp	Gly	Asn	Tyr	Lys	Thr	Arg	Ala	GIU	vai	
57		_	100	_,		11. 1	105	3	тіл	Clu	T OIL	110	Glw	Tla	
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60	Asp Phe	115	Cl. 3	an Cl.	Man	120	Lau	C1v	Hic	Lvs		Glu	Tvr	Asn	
			GIU A	sp gry	135		пеа	O L y	1110	140	200		-1		
·63	Tyr Asn	Sar	Hig A	sn Val			Met	Ala	Asp		Gln	Lys	Asn	Gly	
	145	JCI	חבם ה	150					155	4		-		160	
68	Ile Lys	Val	Asn P			Arg	His	Asn	Ile	Glu	Asp	Gly	Ser	Val	
69			1	.65				170					175		
71	Gln Leu	Ala	Asp H	is Tyr	Gln	Gln	Asn	Thr	Pro	Ile	Gly	Asp	Gly	Pro	

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Input Set : A:\So50052u.txt

Output Set: N:\CRF3\11212001\1852000.raw

- 185 180 72 74 Val Leu Leu Pro Asp Asn His Tyr Leu Ser Thr Gln Ser Ala Leu Ser 200 77 Lys Asp Pro Asn Glu Lys Arg Asp His Met Val Leu Leu Glu Phe Val 220 215 80 Thr Ala Ala Gly Ile Thr His Gly Met Asp Glu Leu Tyr Lys 230 81 225 84 <210> SEQ ID NO: 2 85 <211> LENGTH: 28 86 <212> TYPE: DNA 87 <213> ORGANISM: Artificial Sequence
- 89 <220> FEATURE:
- 90 <223> OTHER INFORMATION: Description of Artificial Sequence: cloning primer 92 <400> SEQUENCE: 2
- 93 tegtgaccae etteteceae ggegtgea
- 96 <210> SEQ ID NO: 3
- 97 <211> LENGTH: 28
- 98 <212> TYPE: DNA
- 99 <213> ORGANISM: Artificial Sequence
- 101 <220> FEATURE:
- 102 <223> OTHER INFORMATION: Description of Artificial Sequence: cloning primer
- 104 <400> SEQUENCE: 3
- 105 tgcacgccgt gggagaaggt ggtcacga
- 108 <210> SEQ ID NO: 4
- 109 <211> LENGTH: 29
- 110 <212> TYPE: DNA
- 111 <213> ORGANISM: Artificial Sequence
- 113 <220> FEATURE:
- 114 <223> OTHER INFORMATION: Description of Artificial Sequence: cloning primer
- 116 <400> SEQUENCE: 4
- 117 gctggagtac aacttcaaca gccacaacg
- 120 <210> SEQ ID NO: 5
- 121 <211> LENGTH: 29
- 122 <212> TYPE: DNA
- 123 <213> ORGANISM: Artificial Sequence
- 125 <220> FEATURE:
- 126 <223> OTHER INFORMATION: Description of Artificial Sequence: cloning primer
- 128 <400> SEQUENCE: 5
- 129 cgttgtggct gttgaagttg tactccagc
- 132 <210> SEQ ID NO: 6
- 133 <211> LENGTH: 28
- 134 <212> TYPE: DNA
- 135 <213> ORGANISM: Artificial Sequence
- 137 <220> FEATURE:
- 138 <223> OTHER INFORMATION: Description of Artificial Sequence: cloning primer
- 140 <400> SEQUENCE: 6
- 141 cctcgtgacc accetetece acggcgtg
- 144 <210> SEQ ID NO: 7
- 145 <211> LENGTH: 28

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Input Set : A:\So50052u.txt

Output Set: N:\CRF3\11212001\1852000.raw

- 146 <212> TYPE: DNA
- 147 <213> ORGANISM: Artificial Sequence
- 149 <220> FEATURE:
- 150 <223> OTHER INFORMATION: Description of Artificial Sequence: cloning primer
- 152 <400> SEQUENCE: 7
- 153 cacgccgtgg gagagggtgg tcacgagg
- 156 <210> SEQ ID NO: 8
- 157 <211> LENGTH: 28
- 158 <212> TYPE: DNA
- 159 <213> ORGANISM: Artificial Sequence
- 161 <220> FEATURE:
- 162 <223> OTHER INFORMATION: Description of Artificial Sequence: cloning primer
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- 165 cctcgtgacc accctcacct acggcgtg
- 168 <210> SEQ ID NO: 9
- 169 <211> LENGTH: 28
- 170 <212> TYPE: DNA
- 171 <213> ORGANISM: Artificial Sequence
- 173 <220> FEATURE:
- 174 <223> OTHER INFORMATION: Description of Artificial Sequence: cloning primer
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- 177 cacgccgtag gtgagggtgg tcacgagg
- 180 <210> SEQ ID NO: 10
- 181 <211> LENGTH: 29
- 182 <212> TYPE: DNA
- 183 <213> ORGANISM: Artificial Sequence
- 185 <220> FEATURE:
- 186 <223> OTHER INFORMATION: Description of Artificial Sequence: cloning primer
- 188 <400> SEQUENCE: 10
- 189 gaacggcatc aaggccaact tcaagatcc
- 192 <210> SEQ ID NO: 11
- 193 <211> LENGTH: 29
- 194 <212> TYPE: DNA
- 195 <213> ORGANISM: Artificial Sequence
- 197 <220> FEATURE:
- 198 <223> OTHER INFORMATION: Description of Artificial Sequence: cloning primer
- 200 <400> SEQUENCE: 11
- 201 ggatcttgaa gttggccttg atgccgttc
- 204 <210> SEQ ID NO: 12
- 205 <211> LENGTH: 28
- 206 <212> TYPE: DNA
- 207 <213> ORGANISM: Artificial Sequence
- 209 <220> FEATURE:
- 210 <223> OTHER INFORMATION: Description of Artificial Sequence: cloning primer
- 212 <400> SEQUENCE: 12
- 213 catcgaggac ggcggcgtgc agctcgcc
- 216 <210> SEQ ID NO: 13
- 217 <211> LENGTH: 28
- 218 <212> TYPE: DNA

RAW SEQUENCE LISTING DATE: 12/04/2001 PATENT APPLICATION: US/09/852,000 TIME: 11:26:10

Input Set : A:\So50052u.txt

Output Set: N:\CRF3\11212001\I852000.raw

219 <213> ORGANISM: Artificial Sequence 221 <220> FEATURE: 222 <223> OTHER INFORMATION: Description of Artificial Sequence: cloning primer 224 <400> SEQUENCE: 13 28 225 ggcgagetge acgccgccgt cctcgatg 228 <210> SEQ ID NO: 14 229 <211> LENGTH: 239 230 <212> TYPE: PRT 231 <213> ORGANISM: Artificial Sequence 233 <220> FEATURE: 234 <223> OTHER INFORMATION: Description of Artificial Sequence: Engineered green 235 fluorescent protein 237 <400> SEQUENCE: 14 238 Met Val Ser Lys Gly Glu Glu Leu Phe Thr Gly Val Val Pro Ile Leu 239 1 241 Val Glu Leu Asp Gly Asp Val Asn Gly His Lys Phe Ser Val Ser Gly 244 Glu Gly Glu Gly Asp Ala Thr Tyr Gly Lys Leu Thr Leu Lys Phe Ile 40 247 Cys Thr Thr Gly Lys Leu Pro Val Pro Trp Pro Thr Leu Val Thr Thr 250 Phe Thr Tyr Gly Val Gln Cys Phe Ser Arg Tyr Pro Asp His Met Lys 70 253 Gln His Asp Phe Phe Lys Ser Ala Met Pro Glu Gly Tyr Val Gln Glu 90 85 256 Arg Thr Ile Phe Phe Lys Asp Asp Gly Asn Tyr Lys Thr Arg Ala Glu 100 105 259 Val Lys Phe Glu Gly Asp Thr Leu Val Asn Arg Ile Glu Leu Lys Gly 120 115 262 Ile Asp Phe Lys Glu Asp Gly Asn Ile Leu Gly His Lys Leu Glu Tyr 135 265 Asn Tyr Asn Ser His Asn Val Tyr Ile Met Ala Asp Lys Gln Lys Asn 150 268 Gly Ile Lys Val Asn Phe Lys Ile Arg His Asn Ile Glu Asp Gly Ser 170 165 271 Val Gln Leu Ala Asp His Tyr Gln Gln Asn Thr Pro Ile Gly Asp Gly 180 185 274 Pro Val Leu Leu Pro Asp Asn His Tyr Leu Ser Thr Gln Ser Ala Leu 205 200 195 277 Ser Lys Asp Pro Asn Glu Lys Arg Asp His Met Val Leu Leu Glu Phe 215 280 Val Thr Ala Ala Gly Ile Thr Leu Gly Met Asp Glu Leu Tyr Lys 235 230 281 225

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/852,000

DATE: 12/04/2001 TIME: 11:26:11

Input Set : A:\So50052u.txt

Output Set: N:\CRF3\11212001\1852000.raw

L:13 M:270 C: Current Application Number differs, Replaced Application Number L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date